

Mackenzie Wilson

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EXPERIENCE

Program Officer (Acting)

November, 2021 – Present, Ottawa, On

Junior Program Officer

May 2021 - November 2021, Ottawa, On

Junior Program Officer (Co-op)

May 2019 – May 2021, Ottawa, On

Canada Revenue Agency – Continuous Process Improvement Section

- Designed and developed business intelligence reporting tool that gives analysts the ability to conduct real time process analysis and dynamically produce post hoc reports, value stream maps, and interactive dashboards tracking quantified improvements and monetary savings within programs attributable to lean process improvement events.
- Instituted the use of Jira for project management, serving a team of 9 internal consultants by managing project backlogs and individual sprints.
- Applied advanced roadmaps in Jira to visualize project tasks and task dependencies across concurrent internal Lean consulting projects.
- Led the hiring and supervision of Business Intelligence student as we worked to migrate and expand our BI toolkit to Klipfolio and SAS Viya.
- Developed dashboards that track initiatives within the annual strategic plan, spanning 11 domains within the team.

Property Portfolio Analyst (Co-op)

Department of National Defence & The Canadian Armed Forces

September 2018 - December 2018, Ottawa, Ontario

- Supported predictive analytics by developing a statistical model using a computational algorithm (Monte Carlo) that tracks over \$1 billion worth of possible systems failures and maintenance requirements over a complex capital asset's life cycle in order to enhance portfolio capital allocation by mitigating reactive expenditures.
- Analyzed departmental payments to tax authorities to determine geographical locations within the portfolio that were overpaying.
- Built Excel dashboards to provide statistics on the \$26 billion federal real property portfolio at both macro and micro levels.
- Used data visualization courses and resources to improve presentation of complex concepts and data for time-constrained audiences at the executive level.

Analyst-Economist (Internship)

Statistics Canada - National Economic Accounts Division

May 2017 - December 2017, Ottawa, Ontario

- Researched and collected data in federal macroeconomic accounts database and Excel as a member of the first team to work on the process behind publishing annual financial data of First Nations Bands in Canada.
- Analyzed trends in aggregate and individual categories in expenditure of funds received from the federal government within First Nations communities.

EDUCATION

Bachelor of Economics Honours in Economics: Concentration in Financial Economics (Co-operative Education)

Carleton University • Ottawa, Ontario • Completion in April 2021 • 3.4 GPA

COURSEWORK

Database Management Systems

Computer Science • Computer Programming

- Conceptual and logical data modeling. Database generation and querying using SQL.

Abstract Data Types and Algorithms

Computer Science • Computer Programming

- Design and implementation of abstract data types and complexity analysis of data structures using Java.

Investments

Business • Computer Programming

- Used Python, Numpy, Matplotlib, and Pandas to conduct analysis and data visualizations on investment portfolio.

SKILLS

Programming: Java, SQL, Python, VBA, STATA, (HTML/CSS/JS), Solidity

BI & Analysis: Advanced Excel, SAS Viya, Klipfolio, SAP Business Objects

Project Management: Jira

Collaboration: Confluence, Miro